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# chargers & maintainers

model # 24BC8000L-1

upg #71714

## Specifications:

### 4-Stage Linear SLA Fan Cooled Charger

Input Voltage:	120VAC
Input Current:	4.0A at 120VAC
Input Frequency:	60Hz
Output Voltage:	
Bulk Charge:	29.2VDC +/- 0.7VDC
Float Charge:	27.4VDC +/- 0.5VDC
Output Current:	
Bulk Charge:	8A +/- 0.5A
Float Charge:	<1.2A
Over-Voltage Protection:	30VDC
Over-Current Protection:	8.5A max.
Leakage Current:	<1.0mA
Efficiency:	>50%
Battery Size Range:	24AH - 100AH
Dielectric Strength:	Primary to Case: DC2121 Vrms, 3.5mA for 1 minute Primary to Secondary: DC4242 Vrms, 3.5mA for 1 minute
Insulation Resistance:	50 MΩ @ 500VDC, Input to Output
Operating Temperature:	0 Deg. C to +40 Deg. C
Storage Temperature:	-10 Deg. C to +80 Deg. C



## LED Status Indication:

- LED 1: AC Power indicator – Power ON Red
- LED 2: Fast charge – Yellow (Yellow blinks when in the Pre-Qualification stage)
- LED 3: Charged/Float Charge – Green
- Connector Open: Red Power LED ON, Yellow & Green LED's OFF
- Battery Failure: Red Power LED ON, Yellow & Green LED's flashing

## Protection:

Short Circuit Protection, Over Current Protection, Over Voltage Protection, Polarity Reversal

**Connector:** 3 Pin D (XLR type), Pin 1 = Positive, Pin 2 & 3 = ground

**Safety Standards:** UL1012, CUL

